

STATE OF SOUTH CAROLINA

(Caption of Case)

Monthly Fuel Cost Report and Base Load Power  
Plant Performance Report

BEFORE THE  
PUBLIC SERVICE COMMISSION  
OF SOUTH CAROLINA

COVER SHEET

DOCKET

NUMBER: 1989 - 9 - E

(Please type or print)

Submitted by: Catherine E. Heigel

SC Bar Number: 9268

Address: Duke Energy Corporation

Telephone: 704.382.8123

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Charlotte, NC 28201-1006

Other:

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NOTE: The cover sheet and information contained herein neither replaces nor supplements the filing and service of pleadings or other papers as required by law. This form is required for use by the Public Service Commission of South Carolina for the purpose of docketing and must be filled out completely.

DOCKETING INFORMATION (Check all that apply)

☐ Emergency Relief demanded in petition

☐ Request for item to be placed on Commission's Agenda expeditiously

☒ Other:

☒ Electric

☐ Affidavit

☐ Letter

☐ Request

☐ Electric/Gas

☐ Agreement

☐ Memorandum

☐ Request for Certificatio

☐ Electric/Telecommunications

☐ Answer

☐ Motion

☐ Request for Investigator

☐ Electric/Water

☐ Appellate Review

☐ Objection

☐ Resale Agreement

☐ Electric/Water/Telecom.

☐ Application

☐ Petition

☐ Resale Amendment

☐ Electric/Water/Sewer

☐ Brief

☐ Petition for Reconsideration

☐ Reservation Letter

☐ Gas

☐ Certificate

☐ Petition for Rulemaking

☐ Response

☐ Railroad

☐ Comments

☐ Petition for Rule to Show Cause

☐ Response to Discovery

☐ Sewer

☐ Complaint

☐ Petition to Intervene

☐ Return to Petition

☐ Telecommunications

☐ Consent Order

☐ Petition to Intervene Out of Time

☐ Stipulation

☐ Transportation

☐ Discovery

☐ Prefiled Testimony

☐ Subpoena

☐ Water

☐ Exhibit

☐ Promotion

☐ Tariff

☐ Water/Sewer

☐ Expedited Consideration

☐ Proposed Order

☐ Other:

☐ Administrative Matter

☐ Interconnection Agreement

☐ Protest

☐ Other:

☐ Interconnection Amendment

☐ Publisher's Affidavit

☐ Late-Filed Exhibit

☒ Report



DUKE ENERGY CAROLINAS, LLC  
526 South Church St.  
Charlotte, NC 28202

Mailing Address:  
EC03T / PO Box 1006  
Charlotte, NC 28201-1006

CATHERINE E. HEIGEL  
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December 9, 2008

Mr. Phillip Riley  
The Public Service Commission of South Carolina  
P. O. Drawer 11649  
Columbia, South Carolina 29211

Re: Docket No. 1989-9-E

Dear Mr. Riley:

Pursuant to the Commission's Orders in the above captioned docket, enclosed for filing are three copies each of the following for Duke Energy Carolinas, LLC ("the Company"):

1. Monthly Fuel Cost Report for the month of September 2008 (Exhibit A).
2. Base Load Power Plant Performance Report (Exhibit B).

Should you have any questions regarding this matter, please call me.

Sincerely,



Catherine E. Heigel

pa

Enclosures

cc: Office of Regulatory Staff  
Dan Arnett, Chief of Staff  
John Flitter  
Lessie Hammonds

South Carolina Energy Users Committee  
Scott Elliott, Esquire

Exhibit A  
Schedule 1

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
SUMMARY OF MONTHLY FUEL REPORT

	September 2008
Fuel Expenses:	
1 Fuel and purchased power expenses included in fuel component .....	\$ 148,778,148
2 Less fuel expenses (in line 1) recovered through inter-system sales (a).....	15,334,651
3 Total fuel expenses (line 1 minus line 2).....	<u>\$ 133,443,497</u>
MWH sales:	
4 Total system sales.....	7,681,878
5 Less inter-system sales .....	<u>209,654</u>
6 Total sales less inter-system sales.....	<u>7,472,224</u>
7 Total fuel expenses (in cents per KWH) (line 3/line 6).....	<u>1.7859</u>
8 Current fuel component (in cents per KWH) .....	<u>1.8009</u>
Generation Mix (MWH):	
Fossil (by primary fuel type):	
9 Coal.....	3,652,286
10 Oil.....	368
11 Gas.....	<u>1,904</u>
12 Total fossil.....	<u>3,654,558</u>
13 Nuclear (b).....	<u>4,721,434</u>
Hydro:	
14 Conventional.....	73,027
15 Pumped storage.....	<u>(106,031)</u>
16 Total hydro.....	<u>(33,004)</u>
17 Total MWH generation.....	8,342,988
18 Less: Catawba joint owners' retained portion ....	<u>1,282,300</u>
19 Adjusted total MWH generation.....	<u>7,060,688</u>
(a) Line 2 includes:	
Fuel from Intersystem Sales (Schedule 3)	15,275,140
Fuel in Loss Compensation	59,511
Total fuel recovered from Intersystem Sales	<u>15,334,651</u>
(b) Includes 100% of Catawba generation.	

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

	<u>September 2008</u>
Fuel expenses included in Base fuel Component:	
Steam Generation - FERC Account 501	
501.11 Coal Consumed - Fossil Steam.....	\$ 120,703,219
501.222 Test Fuel Consumed.....	-
501.14 Coal Light-Off.....	-
501.26 Natural Gas Light-off - Fossil.....	-
501.31 Oil Consumed - Fossil Steam.....	680,350
501.33 Oil Light-Off - Fossil.....	990,109
Total Steam Generation - Account 501.....	<u>122,373,678</u>
Environmental Costs	
509.00 Emission Allowance Expense.....	144,143
Reagents.....	3,068,603
Emission Allowance Sales.....	(259,324)
Total Environmental Costs.....	<u>2,953,422</u>
Nuclear Generation - FERC Account 518	
518.10 Burnup of Owned Fuel.....	12,127,859
518.60 Nuclear Fuel Disposal Cost.....	3,062,899
Total Nuclear Generation - Account 518.....	<u>15,190,758</u>
Other Generation - FERC Account 547	
547.10 Natural Gas.....	(173,088)
547.20 Oil.....	113,379
Total Other Generation - Account 547.....	<u>(59,709)</u>
Total fossil and nuclear fuel expenses included in Base Fuel Component.....	140,458,149
Fuel component of purchased and interchange power per Schedule 3, page 1 of 2.....	<u>8,319,999</u>
Total fuel expenses included in Base Fuel Component.....	<u>\$ 148,778,148</u>

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

	<u>September 2008</u>
Other fuel expenses not included in Base Fuel Component:	
518.61 Spent Fuel Canisters-Accrual.....	171,025
518.62 Canister Design Expense.....	3,045
518.70 Fuel Cycle Study Costs.....	36,100
Non-fuel component of purchased and interchanged power.....	<u>10,591,997</u>
Total other fuel expenses not included in Base Fuel Component.....	<u>\$ 10,802,167</u>
Total FERC Account 501 - Total Steam Generation.....	122,373,678
Total Environmental Costs.....	2,953,422
Total FERC Account 518 - Total Nuclear Generation....	15,400,928
Total FERC Account 547 - Other Generation.....	(59,709)
Total Purchased and Interchanged Power Expenses.....	<u>18,911,996</u>
Total Fuel and Purchased Power Expenses.....	<u>\$ 159,580,315</u>

DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA  
SEPTEMBER 2008

Schedule 3  
Page 1 of 2

Purchased Power Marketers, Utilities, Other	Total \$	Capacity MW	\$	Non-Capacity MW	Fuel \$	Non-Fuel \$
American Electric Power Serv Corp.	109,551	-	-	2,375	55,030	54,521
Blue Ridge Electric Membership Corp.	2,680,949	90	1,385,325	53,384	912,331	583,293
Cargill Power Marketers LLC	168,542	-	-	5,323	102,872	65,770
Cobb Electric Membership Corp.	30,310	-	-	528	18,489	11,821
Columbia Energy	3,767,237	520	2,352,000	18,900	2,551,151	(1,135,914)
ConocoPhillips Company	46,800	-	-	900	28,548	18,252
Merrill Lynch Commodities, Inc.	278,667	-	-	4,870	189,987	108,680
MISO	3,207	-	-	-	1,967	1,250
Morgan Stanley Capital Group	153,600	-	-	4,800	93,696	59,904
NCEMC load following	4,155	-	-	416	2,178	1,977
NCMPA #1	1,157,334	-	-	31,915	572,697	584,637
Piedmont Electric Membership Corp.	1,394,069	47	693,999	26,045	427,043	273,027
PJM Interconnection LLC	3,063,824	-	-	64,579	1,868,932	1,194,892
Rutherford Electric Membership Corp.	33,781	-	-	1,583	20,607	13,174
SC Electric & Gas	103,160	-	-	-	-	103,160
Southern	245,605	-	-	4,383	149,819	95,786
SPCO - Rowan	1,491,934	456	1,359,984	222	191,853	(59,903)
The Energy Authority	262,122	-	-	5,671	159,894	102,228
TVA	(135,000)	-	-	(2,700)	(82,350)	(52,650)
Generation Imbalance	(103,427)	-	-	(4,175)	(39,116)	(64,311)
Energy Imbalance	99,339	-	-	3,495	545,443	(446,104)
<b>TOTAL</b>	<b>\$ 15,055,859</b>	<b>1,113</b>	<b>\$ 5,791,308</b>	<b>222,814</b>	<b>\$ 7,751,061</b>	<b>\$ 1,513,490</b>

Purchased Power Cogen, Purpa, Small Power Producers	Total \$	Capacity MW	\$	Non-Capacity MW	Fuel \$	Non-Fuel \$
Advantage Investment Group, LLC	2,966	-	-	47	-	2,966
Aquenergy Corp.	17,265	-	-	287	-	17,265
Barbara Ann Evans	135	-	-	3	-	135
Byron P Matthews	14	-	-	-	-	14
Catawba County	34,724	-	-	1,008	-	34,724
Cherokee County	1,863,017	-	346,726	9,000	202,270	1,314,021
Cliffside Mills LLC	3,445	-	-	48	-	3,445
Converse Energy	(6)	-	-	-	-	(6)
Dale Earnhardt Inc.	179	-	-	4	-	179
Dave K Birkhead	10	-	-	-	-	10
David A Ringenburg	37	-	-	1	-	37
David E. Shi	23	-	-	-	-	23
David M Thomas	46	-	-	1	-	46
David Wiener	15	-	-	-	-	15
Decision Support	317	-	-	4	-	317
Delta Products Corp.	277	-	-	4	-	277
Everett L. Williams	6	-	-	-	-	6
Frances L. Thomson	41	-	-	1	-	41
Freightliner Corp.	(6)	-	-	-	-	(6)
Greenville Gas Producer, LLC	59,592	-	-	1,083	-	59,592
Gwenyth T Reid	27	-	-	-	-	27
Hanefine Power, LLC	1,749	-	-	24	-	1,749
Hardins Resources Company	(8)	-	-	-	-	(8)
Haw River Hydro Co	3,791	-	-	108	-	3,791
Hayden-Harman Foundation	12	-	-	-	-	12
Hendrik J Rodenburg	26	-	-	-	-	26
HMS Holdings Limited Partnership	216	-	-	4	-	216
Holzworth Holdings	13	-	-	-	-	13
Jafasa Farms	130	-	-	2	-	130
James B Sherman	30	-	-	-	-	30
John H. Dilbert	93	-	-	1	-	93
Linda Alexander	14	-	-	-	-	14
Mark A Powers	9	-	-	-	-	9
Mayo Hydro	7,084	-	-	157	-	7,084
Megawatt Solar Inc	(8)	-	-	-	-	(8)
Mill Shoals Hydro	6,578	-	-	148	-	6,578
Northbrook Carolina Hydro	37,171	-	-	606	-	37,171
Pacific HOA	35	-	-	1	-	35
Pacquet River	(6)	-	-	-	-	(6)
Paul G. Keller	27	-	-	-	-	27
Pelzer Hydro Co.	9,500	-	-	157	-	9,500
Pickins Mill Hydro LLC	2,393	-	-	38	-	2,393
Pippin Home Designs, Inc	13	-	-	-	-	13
PRS-PK Engines, LLC	48	-	-	1	-	48
RCR Enterprises	(8)	-	-	-	-	(8)
Rousch & Yates Racing Engines, LLC	198	-	-	4	-	198
Salem Energy Systems	107,224	-	-	2,292	-	107,224
Shawn Stone	5	-	-	-	-	5
South Yadkin Power	2,687	-	-	34	-	2,687
Spray Cotton Mills	11,713	-	-	293	-	11,713
Steve Mason Ent., Inc.	1,039	-	-	27	-	1,039
Steven Graf	39	-	-	1	-	39
The Rocket Shop, LLC	15	-	-	-	-	15
Town of Chapel Hill	27	-	-	1	-	27
Town of Lake Lure	(8)	-	-	-	-	(8)
W. Jefferson Holt	81	-	-	1	-	81
Walter C. McCarvey	(1)	-	-	-	-	(1)
Yves Naar	36	-	-	1	-	36
Energy Imbalance	137,879	-	-	-	(439,550)	577,429
<b>TOTAL</b>	<b>\$ 2,311,961</b>	<b>-</b>	<b>\$ 346,726</b>	<b>15,390</b>	<b>\$ (237,280)</b>	<b>\$ 2,202,515</b>

<b>TOTAL PURCHASED POWER</b>	<b>\$ 17,367,820</b>	<b>1,113</b>	<b>\$ 6,138,034</b>	<b>238,204</b>	<b>\$ 7,513,761</b>	<b>\$ 3,716,085</b>
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**INTERCHANGES IN**

Other Catawba Joint Owners	6,970,306	-	-	730,912	3,433,672	3,536,634
Total Interchanges In	6,970,306	-	-	730,912	3,433,672	3,536,634

**INTERCHANGES OUT**

Other Catawba Joint Owners	(5,426,130)	(938)	(140,730)	(559,509)	(2,627,454)	(2,657,946)
Catawba - Net Negative Generation	-	-	-	-	-	-
Total Interchanges Out	(5,426,130)	(938)	(140,730)	(559,509)	(2,627,454)	(2,657,946)

Net Purchases and Interchange Power before PCL	18,911,996	175	5,997,304	409,607	8,319,999	4,594,693
Purchased Capacity Levelization	(2,980,908)	-	(2,980,908)	-	-	-
Net Purchases and Interchange Power after PCL	15,931,088	175	3,016,396	409,607	8,319,999	4,594,693

DUKE ENERGY CAROLINAS  
INTERSYSTEM SALES\*  
SOUTH CAROLINA FUEL FILING  
SEPTEMBER 2008

Schedule 3  
Page 2 of 2

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
<b>Utilities:</b>						
Progress Energy Carolinas - Emergency	\$ 82,587	-	\$ -	1,079	\$ 69,890	\$ 12,697
<b>Market Based:</b>						
American Electric Power Services Corp.	88,900	-	-	1,100	135,556	(46,656)
Associated Electric Cooperative Inc.	-	-	-	-	5,082	(5,082)
BP Energy Company	-	-	-	-	1,233	(1,233)
Cargill-Alliant, LLC	966,325	-	-	11,210	1,080,819	(114,494)
CitiGroup Energy Inc	-	-	-	-	7,462	(7,462)
Cobb Electric Membership Corp	1,895,538	-	-	24,019	1,557,062	338,476
ConocoPhillips Company	7,640	-	-	100	12,766	(5,126)
Constellation Power Sources	598,823	-	-	7,471	805,295	(206,472)
DTE Energy Trading	-	-	-	-	3,621	(3,621)
East Kentucky Power Coop.	-	-	-	-	9,265	(9,265)
Florida Power Corp.	10,510	-	-	120	7,280	3,230
Fortis Energy Marketing	41,600	-	-	450	116,850	(75,250)
Lehman Brothers Commodity Services	-	-	-	-	1,581	(1,581)
Merrill Lynch Commodities, Inc.	34,000	-	-	400	31,705	2,295
MISO	27,272	-	-	400	29,053	(1,781)
Morgan Stanley	-	-	-	-	870	(870)
Morgan Stanley - Rockingham	173,250	165	173,250	-	-	-
NCEMC	(4)	-	-	-	1,030	(1,034)
NCEMC (Instantaneous)	1,122,395	50	295,833	13,807	646,578	179,984
NCMPA #1	296,637	50	200,000	1,409	108,241	(11,604)
NCMPA #1 - Rockingham	165,852	50	112,500	600	27,421	25,931
Oglethorpe	208,840	-	-	2,743	153,471	55,369
PJM Interconnection LLC	5,520,874	-	-	67,081	5,438,951	81,923
Power South Coop	1,465,998	-	-	18,221	1,082,146	383,852
PPL EnergyPlus	-	-	-	-	10	(10)
Progress Energy Carolinas	988,120	-	-	10,645	738,958	249,162
SC Electric & Gas Market based	-	-	-	-	2,499	(2,499)
SEPA	-	-	-	-	30,341	(30,341)
Southern	1,888,034	-	-	22,903	1,356,485	531,549
Tenaska Power Services Company	125,247	-	-	1,301	88,067	37,180
The Energy Authority	1,015,296	-	-	11,681	1,025,129	(9,833)
TransAlta Energy Marketing (U.S.) Inc.	-	-	-	-	4,032	(4,032)
TVA	537,900	-	-	6,519	636,353	(98,453)
VEPCO	238,600	-	-	2,000	93,164	145,436
Westar Energy, Inc.	-	-	-	-	5,304	(5,304)
<b>Other:</b>						
Generation Imbalance	124,274	-	-	4,395	(38,430)	162,704
BPM Transmission	(950,887)	-	-	-	-	(950,887)
	<u>\$ 16,673,621</u>	<u>315</u>	<u>\$ 781,583</u>	<u>209,654</u>	<u>\$ 15,275,140</u>	<u>\$ 616,898</u>

\* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
SC RETAIL COMPARISON OF FUEL REVENUES AND EXPENSES

October 2007 - September 2008

	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )	( ACTUAL )
	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
1 South Carolina sales (MWH)	1,750,923	1,668,270	1,708,122	1,854,160	1,838,977	1,667,287	1,631,941	1,623,541	1,897,043	2,028,039	2,035,741	1,990,377
2 Fuel costs (Cents per KWH)	1.7368	1.8051	1.3819	1.7997	1.3559	1.6356	1.7152	1.9737	2.9816	2.0460	2.0672	1.7859
3 Fuel base (Cents per KWH)	1.7994	1.7986	1.8004	1.8025	1.8012	1.8005	1.7988	1.7986	1.8005	1.8021	1.8015	1.8009
4 Fuel cost incurred	\$30,410,031	\$30,113,942	\$23,604,538	\$33,369,318	\$24,934,689	\$27,270,146	\$27,991,052	\$32,043,829	\$56,562,234	\$41,493,678	\$42,082,838	\$35,546,143
5 Fuel cost billed	\$31,506,108	\$30,005,504	\$30,753,028	\$33,421,234	\$33,123,654	\$30,019,502	\$29,355,355	\$29,201,008	\$34,156,259	\$36,547,291	\$36,673,874	\$35,844,699
6 Over (Under) recovery (Line 5 - line 4 x constant tax factor of 1.0044)	\$1,100,900	(\$108,915)	\$7,179,942	\$52,145	\$8,224,996	\$2,761,453	\$1,370,306	(\$2,855,329)	(\$22,504,561)	(\$4,968,151)	(\$5,432,760)	\$299,871
7 Over (Under) recovery -- prior balance	(\$24,443,707)	(\$23,451,270)	(\$24,160,461)	(\$17,455,380)	(\$18,145,211)	(\$9,924,867)	(\$7,266,912)	(\$6,344,660)	(\$9,459,825)	(\$35,195,050)	(\$40,948,742)	(\$47,335,320)
8 Prior month correction/adjustment	(\$108,463)	(\$600,276)	(\$474,861)	(\$741,976)	(\$4,652)	(\$103,498)	(\$448,054)	(\$259,836)	(\$3,230,664)	(\$785,541)	(\$953,818)	\$59,194,255
9 Cumulative over (under)	(\$23,451,270)	(\$24,160,461)	(\$17,455,380)	(\$18,145,211)	(\$9,924,867)	(\$7,266,912)	(\$6,344,660)	(\$9,459,825)	(\$35,195,050)	(\$40,948,742)	(\$47,335,320)	\$12,158,806

Note:

Sep08 includes the \$60 million application of Catawba Purchased Capacity Levelization (PCL) over-collection to under-recovered fuel balance, per Order No. 2008-671 in Docket No. 2008-3-E.

DUKE ENERGY CAROLINAS  
FUEL COST REPORT  
September 2008

LINE DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Belews Creek	Marshall	Allen	Riverbend	Cliffside	Dan River	Buck	Lee	Buzzard Roost	Lincoln	Mill Creek	Reckingham	Oconee	McGuire	Catawba	Total Current Month
1. Station																
Cost of Fuel Purchased(\$)																
2. Coal	49,971,267	28,803,777	20,259,417	8,635,808	9,130,275	2,332,252	5,251,819	650,221	-	-	-	-	-	-	-	125,034,836
3. Oil (B)	233,090	102,052	337,207	142,735	95,381	386,774	146,044	248,255	-	(46,080)	-	-	-	-	-	1,645,458
4. Gas	-	-	-	16,530	-	26,548	2,607	31,634	-	171,590	(44,050)	(377,947)	-	-	-	(173,088)
5. Total	50,204,357	28,905,829	20,596,624	8,795,073	9,225,656	2,745,574	5,400,470	930,110	-	125,510	(44,050)	(377,947)	-	-	-	126,507,206
Average Cost of Fuel as Purchased (CENTS/MBTU)																
6. Coal	375.38	312.66	350.37	455.30	346.61	517.36	454.30	227.56	-	-	-	-	-	-	-	360.01
7. Oil (B)	INF.	INF.	INF.	INF.	INF.	INF.	INF.	INF.	-	INF.	-	-	-	-	-	INF.
8. Gas	-	-	-	1,118.40	-	1,594.47	INF.	INF.	-	859.58	INF.	(1,973.00)	-	-	-	(400.71)
9. Weighted Average	376.84	313.62	355.45	461.82	349.68	585.45	464.69	312.81	-	628.74	INF.	(1,973.00)	-	-	-	363.07
Cost of Fuel Burned(\$)																
10. Coal (E)	46,822,146	31,691,497	19,913,760	4,111,130	11,984,812	1,298,912	3,188,352	1,692,610	-	-	-	-	-	-	-	120,703,219
11. Oil (B)	290,614	446,826	296,763	273,970	64,256	105,808	114,941	78,080	-	112,580	-	-	-	-	-	1,783,838
12. Gas	-	-	-	16,530	-	26,548	2,607	31,634	-	171,590	(44,050)	(377,947)	-	-	-	(173,088)
13. Nuclear (C)(F)	-	-	-	-	-	-	-	-	-	-	-	-	8,020,035	6,176,133	7,956,717	22,152,885
14. Total (C)(E)(F)	47,112,760	32,138,323	20,210,523	4,401,630	12,049,068	1,431,268	3,305,900	1,802,324	-	284,170	(44,050)	(377,947)	8,020,035	6,176,133	7,956,717	144,466,854
15. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,962,127	6,962,127
16. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	994,590	137,504,727
Average Cost of Fuel Burned (CENTS/MBTU)																
17. Coal	355.85	314.67	343.44	402.30	344.78	394.21	379.19	349.31	-	-	-	-	-	-	-	343.10
18. Oil (B)	INF.	INF.	INF.	INF.	INF.	INF.	INF.	INF.	-	472.05	-	-	-	-	-	1,846.64
19. Gas	-	-	-	1,118.40	-	1,594.47	INF.	INF.	-	859.58	INF.	(1,973.00)	-	-	-	(400.71)
20. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	44.24	45.06	47.56	45.62
21. Weighted Average	357.70	318.56	347.73	425.42	346.37	425.78	390.59	368.38	-	648.63	INF.	(1,973.00)	44.24	45.06	47.56	172.22
Average Cost of Fuel Burned (CENTS/KWH Generated)																
22. Coal	3.29	3.00	3.48	4.45	3.38	3.66	3.95	4.60	-	-	-	-	-	-	-	3.30
23. Oil (B)	INF.	INF.	INF.	INF.	INF.	INF.	(D)	(D)	(D)	13.47	(D)	(30.16)	-	-	-	INF.
24. Gas	-	-	-	(D)	-	INF.	INF.	(D)	-	24.55	INF.	(30.16)	-	-	-	(9.09)
25. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	0.46	0.47	0.48	0.47
26. Weighted Average	3.31	3.04	3.53	4.77	3.39	4.03	4.10	4.90	(D)	18.51	(D)	(30.16)	0.46	0.47	0.48	1.72
MBTU's Burned																
27. Coal	13,157,680	10,071,340	5,798,241	1,021,905	3,476,082	329,497	840,833	484,565	-	-	-	-	-	-	-	35,180,143
28. Oil (B)	13,476	17,304	13,811	11,268	2,597	4,989	5,553	3,752	-	23,849	-	-	-	-	-	96,599
29. Gas	-	-	-	1,478	-	1,685	-	934	-	19,962	-	19,156	-	-	-	43,195
30. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	18,127,610	13,707,549	16,729,398	48,564,557
31. Total	13,171,156	10,088,644	5,812,052	1,034,651	3,478,679	336,151	846,386	489,251	-	43,811	-	19,156	18,127,610	13,707,549	16,729,398	83,884,494
32. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,638,223	14,638,223
33. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,091,175	69,246,271
Net Generation (MWH)																
34. Coal	1,421,709	1,058,122	572,174	92,285	354,942	35,515	80,760	36,779	-	-	-	-	-	-	-	3,652,286
35. Oil (B)	-	-	-	-	-	-	(30)	(1)	(91)	836	(346)	-	-	-	-	368
36. Gas	-	-	-	(48)	-	33	-	(33)	-	699	-	1,253	-	-	-	1,904
37. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	1,739,243	1,321,089	1,661,102	4,721,434
38. Total	1,421,709	1,058,122	572,174	92,237	354,942	35,548	80,730	36,745	(91)	1,535	(346)	1,253	1,739,243	1,321,089	1,661,102	8,375,992
39. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,453,464	1,453,464
40. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	207,638	6,922,528

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(A) Includes 100% of Catawba generation.

(B) Fuel oil costs at nuclear plants are excluded because it is not being used for energy production.

(C) Cost of fuel burned excludes \$171,025 associated with canister accrual for the month.

(D) CENTS/KWH not computed when net generation is negative.

(E) Cost of Fuel Burned excludes \$144,143 associated with emission allowance expense for the month.

(F) Cost of Fuel Burned excludes \$3,045 associated with canister design expense for the month.

(G) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec07, which are reflected in cost of coal consumed and tons of coal consumed (Lines 10,17,22)

DUKE ENERGY CAROLINAS  
FOSSIL FUEL CONSUMPTION AND INVENTORY REPORT  
September 2008

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
		Belews Creek	Marshall	Allen	Riverbend	Cliffside	Dan River	Buck	Lee	Buzzard Roost	Lincoln	Mill Creek	Rockingham	Oconee	McGuire	Catawba	Month Total
1	Location																
	Coal Data:																
2	Tons received during period	546,279	373,259	253,187	77,865	106,968	18,656	47,996	11,156	-	-	-	-	-	-	-	1,435,366
3	Inventory adjustments	(681)	(436)	(3,457)	(71)	(217)	36	144	(1,303)	-	-	-	-	-	-	-	(5,985)
4	Tons burned during period	538,557	410,618	249,142	42,140	143,979	13,119	35,917	19,406	-	-	-	-	-	-	-	1,452,678
5	MBTU's burned per ton	24.43	24.53	23.27	24.25	24.14	25.12	23.41	24.97	-	-	-	-	-	-	-	24.21
	Tons coal on hand:																
6	Beginning balance	411,867	354,119	363,559	134,800	170,638	99,994	149,483	170,783	-	-	-	-	-	-	-	1,855,243
7	Ending balance	418,908	316,324	364,147	170,454	133,410	105,567	161,706	161,230	-	-	-	-	-	-	-	1,831,746
8	Cost of ending inventory (\$ per ton)	87.08	77.29	80.68	97.60	83.37	98.98	88.69	79.62	-	-	-	-	-	-	-	85.00
	Oil Data:																
9	Gallons received during period	74,701	30,646	88,900	44,732	29,924	119,037	44,635	77,325	-	-	-	-	-	-	-	509,900
10	Miscellaneous usage, transfers and adjustments	(6,732)	(21,154)	31,518	(2,490)	-	(887)	(1,339)	(996)	-	74,034	-	-	-	-	-	71,954
11	Gallons burned during period	97,719	125,513	100,114	81,056	18,833	35,989	40,330	27,198	-	172,337	-	-	-	-	-	699,089
	Gallons oil on hand:																
12	Beginning balance	238,000	271,139	114,293	294,603	73,118	263,018	555,849	508,948	1,536,309	9,297,060	3,959,713	2,712,033	-	-	-	19,824,083
13	Ending balance	208,250	155,118	134,597	255,789	84,209	345,179	558,815	558,079	1,536,309	9,198,757	3,959,713	2,712,033	-	-	-	19,706,848
14	Cost of ending inventory (\$ per gallon)	3.58	3.56	3.20	3.38	3.41	2.94	2.85	2.71	0.79	1.60	1.25	2.34	-	-	-	1.74
	Gas Data:																
15	MCF received during period	-	-	-	1,430	-	1,606	-	902	-	19,325	-	18,419	-	-	-	41,682
16	MCF burned during period	-	-	-	1,430	-	1,606	-	902	-	19,325	-	18,419	-	-	-	41,682
	MCF gas on hand: (*)																
17	Beginning balance																
18	Ending balance																
19	Cost of ending inventory (\$ per MCF)																

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(\*) Gas is burned as received; therefore, inventory balances are not maintained.

(A) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec07, which are reflected in cost of coal consumed and tons of coal consumed (Lines 4,5,7,8)

(B) Fuel oil costs at nuclear plants are excluded because it is not being used for energy production.

**SCHEDULE 7**

**DUKE ENERGY CAROLINAS  
ANALYSIS OF COAL PURCHASES  
September 2008**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ALLEN</b>	SPOT	30,391	\$ 3,636,694.57	\$ 119.66
	CONTRACT	222,796	13,888,542.34	62.34
	ADJUSTMENTS	-	2,734,179.33	-
	<b>TOTAL</b>	<b>253,187</b>	<b>20,259,416.24</b>	<b>80.02</b>
<b>BELEWS CREEK</b>	SPOT	118,118	17,386,442.06	147.19
	CONTRACT	428,161	28,964,922.34	67.65
	ADJUSTMENTS	-	3,619,904.00	-
	<b>TOTAL</b>	<b>546,279</b>	<b>49,971,268.40</b>	<b>91.48</b>
<b>BUCK</b>	SPOT	19,212	2,718,816.12	141.52
	CONTRACT	28,784	2,016,876.36	70.07
	ADJUSTMENTS	-	516,126.36	-
	<b>TOTAL</b>	<b>47,996</b>	<b>5,251,818.84</b>	<b>109.42</b>
<b>CLIFFSIDE</b>	SPOT	12,176	2,020,005.89	165.89
	CONTRACT	94,792	7,216,525.04	76.13
	ADJUSTMENTS	-	(106,255.62)	-
	<b>TOTAL</b>	<b>106,968</b>	<b>9,130,275.31</b>	<b>85.36</b>
<b>DAN RIVER</b>	SPOT	9,048	1,170,157.06	129.32
	CONTRACT	9,608	723,964.58	75.35
	ADJUSTMENTS	-	438,129.85	-
	<b>TOTAL</b>	<b>18,656</b>	<b>2,332,251.49</b>	<b>125.01</b>
<b>LEE</b>	SPOT	-	(13,147.07)	-
	CONTRACT	11,155	1,057,308.50	94.78
	ADJUSTMENTS	-	(393,940.43)	-
	<b>TOTAL</b>	<b>11,155</b>	<b>650,221.00</b>	<b>58.29</b>
<b>MARSHALL</b>	SPOT	65,450	9,118,768.45	139.32
	CONTRACT	307,809	18,522,224.24	60.17
	ADJUSTMENTS	-	1,162,784.26	-
	<b>TOTAL</b>	<b>373,259</b>	<b>28,803,776.95</b>	<b>77.17</b>
<b>RIVERBEND</b>	SPOT	48,108	6,653,221.68	138.30
	CONTRACT	29,757	2,299,913.69	77.29
	ADJUSTMENTS	-	(317,327.40)	-
	<b>TOTAL</b>	<b>77,865</b>	<b>8,635,807.97</b>	<b>110.91</b>
<b>ALL PLANTS</b>	SPOT	302,504	42,690,958.76	141.13
	CONTRACT	1,132,863	74,690,277.09	65.93
	ADJUSTMENTS	-	7,653,600.35	-
	<b>TOTAL</b>	<b>1,435,366</b>	<b>\$ 125,034,836.20</b>	<b>\$ 87.11</b>

<b>SCHEDULE 8</b>
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**Duke Energy Carolinas  
Analysis of Quality of Coal Received  
September 2008**

<b>Station</b>	<b><u>Percent Moisture</u></b>	<b><u>Percent Ash</u></b>	<b><u>Heat Value</u></b>	<b><u>Percent Sulfur</u></b>
Allen	5.67	17.74	11,419	0.97
Belews Creek	6.50	11.92	12,185	0.85
Buck	6.32	12.90	12,043	0.64
Cliffside	5.81	11.66	12,313	0.95
Dan River	7.25	12.28	12,081	0.81
Lee	3.64	9.82	12,807	1.30
Marshall	6.60	10.78	12,341	1.45
Riverbend	7.29	11.23	12,180	0.89

## Schedule 9

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
September 2008

Station	Allen	Belews Creek	Buck	Cliffside 1-4	Cliffside 5	Dan River	Lee	Marshall	Riverbend
Vendor	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers	HighTowers
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00
Gallons Received	88,900	74,701	44,635	22,521	7,403	119,037	77,325	30,646	44,732
Total Delivered Cost	\$ 291,126.81	\$ 233,089.65	\$ 146,043.83	\$ 71,405.18	\$ 23,976.20	\$ 386,774.36	\$ 248,254.70	\$ 102,051.62	\$ 142,735.12
Delivered Cost/Gal	\$ 3.2748	\$ 3.1203	\$ 3.2720	\$ 3.1706	\$ 3.2387	\$ 3.2492	\$ 3.2105	\$ 3.3300	\$ 3.1909
Delivered Cost/MBTU	\$ 23.7388	\$ 22.6276	\$ 23.7617	\$ 23.0079	\$ 23.4033	\$ 23.4391	\$ 23.2722	\$ 24.1536	\$ 22.9544
BTU/Gallon	137,950	137,898	137,699	137,805	138,387	138,623	137,956	137,868	139,010

DUKE ENERGY CAROLINAS  
POWER PLANT PERFORMANCE DATA  
TWELVE MONTHS SUMMARY

October,2007 - September,2008

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,129,493	2,538	90.29	88.65
McGuire	18,278,990	2,200	94.59	91.30
Catawba	17,623,103	2,258	88.85	86.61

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**October 2007 through September 2008**  
**Fossil Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Belews Creek 1	6,447,053	1,135	64.84	68.49
Belews Creek 2	7,920,596	1,135	79.66	85.34

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**October 2007 through September 2008**  
**Fossil Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Cliffside 5	4,046,757	562	82.20	91.42
Marshall 1	2,685,876	382	80.33	87.97
Marshall 2	2,107,885	382	63.05	70.79
Marshall 3	4,919,615	662	84.83	89.91
Marshall 4	4,809,388	663	82.77	87.52

**Duke Energy Carolinas**  
**Power Plant Performance Data**

Schedule 10

Page 4 of 6

Twelve Month Summary  
October 2007through September 2008

Other Cycling Coal Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	1,041,029	165	72.02	93.05
Allen 2	1,018,518	165	70.47	92.87
Allen 3	1,703,518	265	73.38	89.61
Allen 4	1,757,117	280	71.64	87.06
Allen 5	1,788,410	270	75.61	89.64
Buck 3	197,751	75	30.10	87.13
Buck 4	129,432	38	38.88	94.25
Buck 5	604,260	128	53.89	73.19
Buck 6	724,478	128	64.61	88.44
Cliffside 1	81,717	38	24.55	65.31
Cliffside 2	79,028	38	23.74	68.44
Cliffside 3	200,154	61	37.46	86.37
Cliffside 4	215,034	61	40.24	85.49
Dan River 1	229,207	67	39.05	86.68
Dan River 2	243,149	67	41.43	85.58
Dan River 3	793,196	142	63.77	92.29
Lee 1	445,000	100	50.80	88.47
Lee 2	510,137	100	58.23	93.25
Lee 3	619,070	170	41.57	58.58
Riverbend 4	486,592	94	59.09	92.35
Riverbend 5	444,240	94	53.95	88.08
Riverbend 6	698,485	133	59.95	89.17
Riverbend 7	714,575	133	61.33	90.36

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**

**Schedule 10**

**Page 5 of 6**

**October,2007 through September,2008**

**Fossil Combustion Turbines**

<b>Station Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Operating Availability (%)</b>
Buck CT	-123	93	89.12
Buzzard Roost CT	-917	196	98.53
Dan River CT	-171	85	99.24
Lee CT	23,404	82	97.72
Lincoln CT	65,190	1,264	94.96
Mill Creek CT	40,214	592	96.07
Riverbend CT	-905	120	97.96
Rockingham CT	196,849	825	94.55

Duke Energy Carolinas

Power Plant Performance

Schedule 10

Page 6 of 6

12 Months Ended SEPTEMBER 2008

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	22,296	23.000	98.01
Buzzard Roost	-	-	100.00
Cedar Creek	57,715	45.000	98.40
Cowans Ford	46,844	325.000	97.95
Dearborn	67,994	42.000	93.40
Fishing Creek	57,248	49.000	88.59
Gaston Shoals	10,229	4.600	75.61
Great Falls	55	24.000	46.14
Keowee	22,505	157.500	98.80
Lookout Shoals	42,189	27.000	99.45
Mountain Island	32,984	62.000	92.71
Ninety Nine Island	31,448	18.000	64.50
Oxford	49,073	40.000	97.69
Rhodhiss	30,101	30.500	99.35
Rocky Creek	106	28.000	38.15
Tuxedo	10,637	6.400	96.08
Wateree	87,645	85.000	82.36
Wylie	47,019	72.000	97.89
Nantahala	148,505	50.000	83.97
Queens Creek	1,774	1.440	91.52
Thorpe	59,501	19.700	94.60
Tuckasegee	5,230	2.500	95.05
Tennessee Creek	26,777	9.800	92.86
Bear Creek	19,332	9.450	99.45
Cedar Cliff	13,855	6.380	99.01
Mission	2,245	1.800	91.38
Franklin	(9)	1.040	66.66
Bryson	624	1.040	87.52
Dillsboro	-	0.230	50.00
Total Conventional	<u>893,921</u>		
Pumped Storage Plants			
Jocassee	1,141,982	730.000	91.65
Bad Creek	2,758,399	1,360.000	93.58
Total	<u>3,900,381</u>		
Less Energy for Pumping			
Jocassee	(1,472,569)		
Bad Creek	(3,480,534)		
Total	<u>(4,953,103)</u>		
Total Pumped Storage			
Jocassee	(330,587)		
Bad Creek	(722,135)		
Total	<u>(1,052,722)</u>		

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: September, 2008

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	09/24/2008-09/27/2008	86.92	UNSCHEDULED	UNIT 2 MAIN TRANSFORMER OIL LEAK	VIBRATION INDUCED CRACK ON MAIN TRANSFORMER OIL COOLER WELD	OIL COOLER WELD WAS REPAIRED AND OTHER TRANSFORMER CHECKED.
	3	None					
McGuire	1	09/20/2008-10/01/2008	257.00	SCHEDULED	END-OF-CYCLE 19 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
	2	None					
Catawba	1	None					
	2	None					

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 2 of 16

**September 2008**

**Belews Creek Steam Station**

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
02	9/12/2008 6:27:00 PM To 9/14/2008 4:20:00 PM	Unsch	1080 ECONOMIZER LEAKS	boiler tube leak,econ.	

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
September, 2008  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	720		720		720	
(C1) Net Gen (MWH) and Capacity Factor	607983	99.81	514880	84.53	616380	101.19
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00	354	0.06
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	73534	12.07	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	1137	0.19	20706	3.40	-7614	-1.25
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	609120	100.00 %	609120	100.00 %	609120	100.00 %
(I) Equivalent Availability		100.00		84.86		99.94
(J) Output Factor		99.81		96.13		101.19
(K) Heat Rate		10,377		10,713		10,225

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
 September, 2008  
 McGuire Nuclear Station

Exhibit B  
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	720		720	
(C1) Net Gen (MWH) and Capacity Factor	507017	64.02	814072	102.79
(D1) Net MWH Not Gen Due To Full Scheduled Outages	282700	35.69	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	2283	0.29	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	0	0.00	-22072	-2.79
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	792000	100.00 %	792000	100.00 %
(I) Equivalent Availability		63.63		100.00
(J) Output Factor		99.55		102.79
(K) Heat Rate		10,519		10,287

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
September, 2008  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	720		720	
(C1) Net Gen (MWH) and Capacity Factor	828842	101.96	832260	102.38
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	313	0.04	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-16275	-2.00	-19380	-2.38
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	812880	100.00 %	812880	100.00 %
(I) Equivalent Availability		99.96		100.00
(J) Output Factor		101.96		102.38
(K) Heat Rate		10,088		10,054

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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September 2008

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,135	1,135
(B) Period Hrs	720	720
(C1) Net Generation (mWh)	765,950	655,759
(C1) Capacity Factor	93.73	80.24
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	45,400
(D1) Scheduled Outages: percent of Period Hrs	0.00	5.56
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	0	52,077
(E1) Forced Outages: percent of Period Hrs	0.00	6.37
(E2) Net mWh Not Generated due to Partial Forced Outages	0	3,338
(E2) Forced Derates: percent of Period Hrs	0.00	0.41
(F) Net mWh Not Generated due to Economic Dispatch	51,250	60,626
(F) Economic Dispatch: percent of Period Hrs	6.27	7.42
(G) Net mWh Possible in Period	817,200	817,200
(H) Equivalent Availability	100.00	87.66
(I) Output Factor (%)	93.73	91.11
(J) Heat Rate (BTU/NkWh)	9,284	9,241

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**Exhibit B  
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**September 2008  
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	720	720	720	720
(C1) Net Generation (mWh)	231,766	196,041	256,298	374,017
(D) Net mWh Possible in Period	273,600	273,600	473,760	475,200
(E) Equivalent Availability	99.52	90.39	63.21	89.67
(F) Output Factor (%)	84.71	77.01	85.34	88.35
(G) Capacity Factor	84.71	71.65	54.10	78.71

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**September 2008  
Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	720
(C1) Net Generation (mWh)	345,084
(D) Net mWh Possible in Period	404,640
(E) Equivalent Availability	99.68
(F) Output Factor (%)	85.28
(G) Capacity Factor	85.28

DUKE ENERGY CAROLINAS  
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
 October, 2007 - September, 2008  
 Oconee Nuclear Station

Exhibit B  
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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8784		8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	6206077	83.51	7450819	100.26	6472597	87.10
(D1) Net MWH Not Gen Due To Full Scheduled Outages	573563	7.72	0	0.00	996647	13.41
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	33155	0.45	696	0.01	43953	0.59
(E1) Net MWH Not Gen Due To Full Forced Outages	458075	6.16	115859	1.56	70489	0.95
* (E2) Net MWH Not Gen Due To Partial Forced Outages	160394	2.16	-136110	-1.83	-152422	-2.05
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7431264	100.00 %	7431264	100.00 %	7431264	100.00 %
(I) Equivalent Availability		82.80		98.05		85.09
(J) Output Factor		96.98		101.85		101.70
(K) Heat Rate		10,249		10,150		10,099

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
 October, 2007 - September, 2008  
 McGuire Nuclear Station

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	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	9581570	99.16	8697420	90.01
(D1) Net MWH Not Gen Due To Full Scheduled Outages	282700	2.93	1128468	11.68
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	3655	0.04	39439	0.41
(E1) Net MWH Not Gen Due To Full Forced Outages	90200	0.93	117194	1.21
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-295725	-3.06	-320121	-3.31
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9662400	100.00 %	9662400	100.00 %
(I) Equivalent Availability		95.89		86.70
(J) Output Factor		103.14		103.33
(K) Heat Rate		10,224		10,182

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
 October, 2007 - September, 2008  
 Catawba Nuclear Station

Exhibit B  
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	8769083	88.42	8854020	89.28
(D1) Net MWH Not Gen Due To Full Scheduled Outages	1221860	12.32	1238298	12.49
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	46969	0.47	29814	0.30
(E1) Net MWH Not Gen Due To Full Forced Outages	103100	1.04	18595	0.19
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-223876	-2.25	-223591	-2.26
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9917136	100.00 %	9917136	100.00 %
(I) Equivalent Availability		86.26		86.95
(J) Output Factor		102.06		102.24
(K) Heat Rate		10,045		10,033

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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October 2007 through September 2008

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,135	1,135
(B) Period Hrs	8,784	8,784
(C1) Net Generation (mWh)	6,447,053	7,920,596
(C1) Capacity Factor	64.67	79.45
(D1) Net mWh Not Generated due to Full Scheduled Outages	2,878,530	771,819
(D1) Scheduled Outages: percent of Period Hrs	28.87	7.74
(D2) Net mWh Not Generated due to Partial Scheduled Outages	7,609	25,449
(D2) Scheduled Derates: percent of Period Hrs	0.08	0.19
(E1) Net mWh Not Generated due to Full Forced Outages	194,803	611,445
(E1) Forced Outages: percent of Period Hrs	1.95	6.13
(E2) Net mWh Not Generated due to Partial Forced Outages	60,820	52,842
(E2) Forced Derates: percent of Period Hrs	0.61	0.53
(F) Net mWh Not Generated due to Economic Dispatch	381,024	587,689
(F) Economic Dispatch: percent of Period Hrs	3.82	5.89
(G) Net mWh Possible in Period	9,969,840	9,969,840
(H) Equivalent Availability	68.49	85.34
(I) Output Factor (%)	93.48	92.59
(J) Heat Rate (BTU/NkWh)	9,268	9,115

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**October 2007 through September 2008**

**Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	381	381	662	663
(B) Period Hrs	8,784	8,784	8,784	8,784
(C1) Net Generation (mWh)	2,685,876	2,107,885	4,919,615	4,809,388
(D) Net mWh Possible in Period	3,352,685	3,352,685	5,815,308	5,826,970
(E) Equivalent Availability	87.97	70.79	89.91	87.52
(F) Output Factor (%)	88.83	85.23	92.88	93.83
(G) Capacity Factor	80.33	63.05	84.83	82.77

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**October 2007 through September 2008**

**Cliffside Steam Station**

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Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,784
(C1) Net Generation (mWh)	4,046,757
(D) Net mWh Possible in Period	4,936,608
(E) Equivalent Availability	91.42
(F) Output Factor (%)	88.71
(G) Capacity Factor	82.20

DUKE ENERGY CAROLINAS  
Outages for 100MW or Larger Units  
September,2008

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.00	0.00	0.00
	2	846	0.00	86.92	86.92
	3	846	0.00	0.00	0.00
McGuire	1	1100	257.00	0.00	257.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	0.00	0.00	0.00
	2	1129	0.00	0.00	0.00

# Duke Energy Carolinas

## Outages for 100 mW or Larger Units

September 2008

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Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	165	31.267	0.000	31.267
Allen 2	165	127.233	0.000	127.233
Allen 3	265	0.000	7.817	7.817
Allen 4	280	14.900	0.000	14.900
Allen 5	270	0.000	0.000	0.000
Belews Creek 1	1,135	0.000	0.000	0.000
Belews Creek 2	1,135	40.000	45.883	85.883
Buck 5	128	10.000	4.017	14.017
Buck 6	128	32.317	0.000	32.317
Cliffside 5	562	0.000	0.000	0.000
Dan River 3	142	28.667	53.217	81.884
Lee 1	100	0.000	0.000	0.000
Lee 2	100	0.000	0.000	0.000
Lee 3	170	0.000	720.000	720.000
Marshall 1	380	0.000	0.000	0.000
Marshall 2	380	50.133	0.000	50.133
Marshall 3	658	261.083	2.517	263.600
Marshall 4	660	0.000	73.201	73.201
Riverbend 6	133	64.217	5.150	69.367
Riverbend 7	133	18.000	0.000	18.000
Rockingham CT1	165	0.000	0.000	0.000
Rockingham CT2	165	0.000	0.000	0.000
Rockingham CT3	165	0.000	0.000	0.000
Rockingham CT4	165	0.000	0.000	0.000
Rockingham CT5	165	0.000	0.000	0.000